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OTE 63-1533 219,886

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6 Feb 63

Pamfilov, A. V., Mushil, R. Ya., and  
Mazurkevich, Ya. S.  
PHOTOCATALYTIC ACTIVITY OF ANATASE AND  
RUTILE. [1963] 7p. (figs. tables omitted) 22 refs.  
Order from OTS or SLA \$1.10 63-16533

Trans. of Ukrainakij Khimicheskij Zhurnal (USSR)  
1962, v. 28, no. 5, p. 589-594.

DESCRIPTORS: \*Titanium compounds, \*Oxides,  
\*Dioxides, \*Photochemistry, Photoelectric effect,  
\*Catalysis, Hydrolysis, Chlorides, Annealing.

The photocatalytic activity of rutile, obtained by the  
hydrolysis of titanium tetrachloride, is considerably  
higher than the activity of rutile, obtained by annealing  
anatase at high temperature. The activity of rutile,  
obtained by the hydrolysis of  $TiCl_4$ , and related to a unit  
of surface, almost coincides with the activity of anatase,  
also obtained from  $TiCl_4$  by the precipitation of ammonia.  
(Chemistry--Physical, TT, v. 10, no. 9) (over)

63-16533

- I. Title: Anatase
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OT&A 43-10138

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Order from ATS \$11.50                            ATS-16Q68R

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR)  
1962, v. 28, no. 9, p. 1031-1036.

**DESCRIPTORS:** \*Oxidation, \*Hydrocarbons, \*Copper, Catalysts.

(Chemistry--Organic, TT, v. 10, no. 3)

63-17377

- I. Shapovalova, L. P.
  - II. Gorkhovatskii, Ya. B.
  - III. Rubanik, M. Ya.
  - IV. ATS-16Q68R
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East Orange, N. J.

ICE 10/3, No 3

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Tsygankova, M. P.  
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Trans. of Ukrainskii Khimicheskii Zhurnal (USSR)  
1962, v. 28 [no. 9] p. 1096-1099. (Abstract available)

DESCRIPTORS: \*Ion exchange resins, Electrolytes,  
\*Styrene plastics, Synthesis (Chemistry) Nitration,  
Addition reactions, Metals, Ions, Separation,

Polynitrostyrene, polyaminostyrene and their diazotization coupling products with: p-cresol, p-nitrophenol, p-naphthol, resorcinol, anilid of acetoacetic acid, benzozoresorcinol, pyrogallol, 8-oxyquinoline, acetanilid, 1-phenyl-2-methyl-pyrazolone-5, salicylic acid, gallic acid, anthranilic acid, chromotropic acid, (Chemistry, TT, v. 11, no. 9) (over)

TT-64-10485

1. Title: Polyaminostyrene
2. Title: Polynitrostyrene
- I. Romankevich, M. Ya.
- II. Sinyavskii, V. G.
- III. Tsygankova, M. P.

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Agency: Picatinny Arsenal  
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R-10, 103-2  
S-45, 003-9  
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Title: Thermal decom. of solid salt solns. I.  
isoth. decom. of binary solid solns. of Fe,  
Co, & Ni. pp. 262-271.

Author: Kornienko, V.P., et al.

Source: Ukr. Khim. Zh. Vol. 29 (3). (1963).

Language: Russian ~~Eng.~~ 10pp

Special instruction: Please translate & type 1 copy, only

<p>Kornienko, V. P., Dubrovskaya, M. N., and Shapovalov, G. M. THERMAL DECOMPOSITION OF SOLID SALT SOLUTIONS. II. THERMOGRAPHY OF BINARY SOLID SOLUTIONS OF OXALATES OF FERROUS METALS. 19p 13refs Order from OTS, SLA, or ETC \$1.60 TT-64-16589  Trans. of Ukrainskii Khimicheskiii Zhurnal (USSR) 1963, v. 29, no. 3, p. 271-278.</p>	<p>TT-64-16589  I. Kornienko, V. P. II. Dubrovskaya, M. N. III. Shapovalova, G. M. IV. Title: Thermography</p>	
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NTC 71-15241-20K

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Polarographic Determination of the pH for the  
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NLL Ref: 5828.4 1962 (5,227)  
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Morris D. Friedman 13-115  
Two Pine Street  
West Concord, Mass.

Scientific - Physics

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Vol 61, Series 2

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Odnorodnykh Prostранstvakh, II)  
J. M. Danakin, tr. 1963, 56p 36refs  
Order from AMS in American Mathematical Society  
Translations, 1963, ser. 2, v. 34, p. 109-164  
  
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1950, v. 2 [no. 1] p. 10-59.

TT-64-22119 (p. 109-164)

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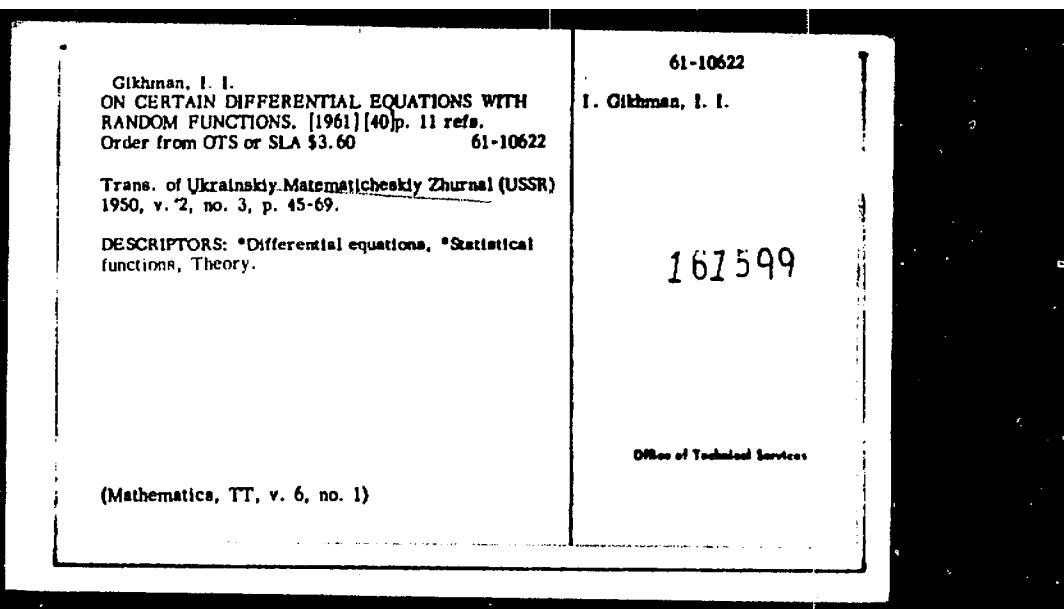
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Vol 61, Ser 2

Sci-Math  
Oct 67

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Amer Math Soc

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Gikhman, I. I.  
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Order from OTS or SLA m1\$4.60

61-10317

61-10317  
I. Gikhman, I. I.

Trans. of Ukrainskij Matematicheskij Zhurnal (USSR)  
1950, v. 2, no. 4, p. 37-63.

DESCRIPTORS: \*Differential equations, \*Statistical  
functions, Theory.

The study is made to (1) establish connection between  
Markov processes and independent increment proc-  
esses (2) provide general determination of random  
function differential equations, (3) establish corre-  
sponding theorems on their existence and uniqueness,  
and (4) obtain a large class of Markov processes  
which are based upon the differential equations con-  
cept. The recommended determination of the differ-  
ential equation is a modification of corresponding con-  
structions of the theory of differential stochastic  
(Mathematics, TT, v. 6, no. 1) (over)

Office of Technical Services

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<p>Davidenko, D. F. ON THE APPROXIMATE SOLUTION OF SYSTEMS OF NONLINEAR EQUATIONS. [1962] 15p. 6 refs. Order from OTS or SLA \$1.60      63-10305</p> <p>Trans. of <u>[Ukrainskii Matematicheskii Zhurnal (USSR)</u> 1953, v. 5, p. 196-206].</p> <p>DESCRIPTORS: *Numerical analysis, *Numerical methods and procedures, *Equations, *Algebra, *Differential equations, Integration, Transformations (Mathematics).</p> <p>(Mathematics, TT, v. 10, no. 1)</p>	<p>63-10305</p> <p>I. Davidenko, D. F.</p> <p>Office of Technical Services</p>	
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Scientific - Mathematics

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JLA 60-15<sup>G</sup>95

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